The overlying member 23 may also be used to seal the first and second wells 26 and 28, respectively. In some embodiments, the overlying member may be used to regulate the rate of water vapor transmission to and from the wells 26 and 28 of the carrier 22. The overlying member 23 may also be configured so that, if the overlying member 23 is removed prematurely or inadvertently, it may be easily reapplied to the carrier 22 so that the wells 26 and 28 may be resealed.

The overlying member 23 may also be used to retain the specimen-handling tool 24 within the cavity 30. The overlying member 23 may also be configured only to retain the specimen-handling tool 24 within the cavity 30. In some embodiments, the overlying member 23 may be adhered to at least a portion of the specimen-handling tool 24 so that, when the overlying member 23 is removed form the carrier 22, the specimen-handling tool 24 is also removed from the carrier 22. Although this may be accomplished in many different ways, the intermediate arcuate portions 64 and 65 may, when the specimen-handling tool 24 is positioned within the cavity 30, be level with or rise slightly above the surface 44 so as to contact and be adhered to the overlying member 23.

In some embodiments, the overlying member 23 may also be configured to separate into two distinct portions so that, when the first well 26 is separated from the second well 28, the overlying member 23 may also be separated and used to cover the first well 26 and the second well 28.

As shown in Figure 16, a plug 86 may also be used to at least partially seal each well 26 and 28. In such a configuration, the overlying member 23 does not need to seal the well that contains the plug 86, but may merely be positioned above the well 26 and/or 28. The plug 86 may be formed from a variety of materials, including, for example, rubber, wax, silicone, or any of a variety of plastics. In some embodiments, a film cover 86, shown in Figure 14, may also be applied to a portion of the carrier 22, such as, for example, the well 28.

In some embodiments, the overlying member 23 may be adhered or otherwise connected to one or more of the plugs 86 so that, when the overlying member 23 is separated from the carrier 22, one or more of the plugs 86 may also be removed. The plug 86 may also be removed with the specimen-handling tool.

The invention may be embodied in other specific forms without departing from the scope and spirit of the inventive characteristics thereof. The present

embodiments therefore are to be considered in all respects as illustrative and not restrictive, the scope of the invention being indicated by the appended claims rather than by the foregoing description, and all changes which come within the meaning and range of equivalency of the claims are therefore intended to be embraced therein.

It is emphasized that the Abstract is provided to comply with the rules requiring an abstract that will allow a searcher or other reader to quickly ascertain the subject matter of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims. 37 CFR 1.72(b).